Contracting Office Address
Chicago Office
9800 South Cass Avenue
Argonne, IL 60439

Description
The U. S. Department of Energy (DOE) is seeking a contractor to manage and operate Princeton Plasma Physics Laboratory (PPPL) in Princeton, New Jersey**.** PPPL is a DOE-sponsored Federally Funded Research and Development Center (FFRDC) whose facilities consist of 36 Government-owned buildings, equipment, and other facilities on leased land located on Princeton University's James Forrestal Campus in Plainsboro Township, Middlesex County, New Jersey. The leased premises between the U.S. Government and Princeton University consist of approximately 88 acres. Additional information regarding PPPL may be found on its website at www.pppl.gov.

PPPL is a collaborative national center for plasma and fusion sciences with a core workforce of 397 employees. The primary mission of the Laboratory is to develop the scientific understanding and key innovations that will lead to a viable fusion energy source. Associated missions include conducting world-class research along the broad frontier of plasma science and technology, and providing the highest quality of fusion and plasma scientific education for our nation's future scientists.

PPPL supports DOE's strategic missions in contributing towards the goals of providing energy security and providing world class scientific research capability. The Laboratory hosts experimental facilities used by multi-institutional research teams and also sends researchers and specialized equipment to other fusion facilities in the U.S. and abroad. PPPL is the only DOE Laboratory devoted primarily to plasma and fusion sciences and is one of the leading institutions investigating the physics of magnetic fusion energy.

Magnetic fusion research at Princeton began in 1951 under the code name Project Matterhorn. For three decades, PPPL has been a leader in magnetic confinement experiments using the tokamak approach. PPPL has built and operated the largest magnetic fusion experiment in the U.S. (Tokamak Fusion Test Reactor – TFTR) from about 1975 – 1995. To deepen the understanding of plasmas and create key innovations to make fusion power a practical reality, PPPL is leading research on advanced fusion devices and developing other innovative confinement concepts. Currently, the National Spherical Torus Experiment is in operation at PPPL, and the National Compact Stellerator Experiment is under construction and scheduled to begin operation in 2009. The PPPL collaborates with the International community on these concepts.

PPPL also maintains its tokamak expertise, gained through long-term research on TFTR and other tokamaks, through collaborations with the DIII-D tokamak at General Atomics, the Alcator C-MOD tokamak at the Massachusetts Institute of Technology (MIT), and collaborations with major international fusion programs in Europe, Japan, China, and Korea. These activities contribute to the advancement of burning plasma physics and ITER.

PPPL supports and participates in ITER, which is being constructed in Cadarache, France. ITER will be an unprecedented international collaboration of seven partners involved in fusion research worldwide. PPPL will contribute hardware, manpower, and expertise to the ITER International Organization during its construction (ITER Project), and participate in burning plasma experiments on ITER during its operation.

Although ITER is the penultimate fusion facility to a demonstration fusion power plant, other modest-scale facilities will be needed to focus on certain scientific and technology issues important to a fusion power plant. Such facilities might include a materials test facility, a component test facility, or a high power tokamak designed to study plasma material interaction. It is expected that PPPL will play an important role in the design and construction of these facilities, whether or not they are built at PPPL.

PPPL's research activities also include the PPPL Theory Group, which plays an important role in the fusion projects of the Scientific Discovery through Advanced Computing (SciDAC) program. PPPL is involved in several base SciDAC and Fusion Simulation Projects. In addition, PPPL performs other non-DOE sponsored research that is consistent with DOE's and PPPL's mission. As a result of PPPL's technology transfer programs, industrial firms and other organizations benefit from PPPL's technological knowledge through the increased competitiveness of U.S. industry in the international marketplace.

In addition to the aforementioned scientific responsibilities, the Contractor shall manage, operate, protect, maintain and enhance the Laboratory's ability to function as a DOE laboratory, provide the infrastructure and facilities to support the accomplishment of the Laboratory's missions, and assure accountability to the DOE.

Anticipated annual funding for this contract is approximately $80 million. DOE expects to award a new performance-based contract during the third quarter of Fiscal Year 2008. The base period of the contract will be five

years. The proposed contract will contain a non-monetary performance incentive which will allow the selected offeror to earn up to an additional fifteen years of contract term for exemplary performance. The potential term of the new contract is 20 years. Following a sixty day transition period, the selected offeror will be expected to fully assume all management and operating responsibilities.

All interested parties are requested to submit an Expression of Interest to Lisa Rogers, Source Evaluation Board Executive Secretary, RFP Number DE-RP02-07CH11466, at the following e-mail address: lisa.rogers@ch.doe.gov. While there is no specific format required, please reference the RFP number, list the name of a contact with a telephone number and an e-mail address, state your interest as being either a prime or a subcontractor, state whether you are a small business, and if you are willing to have your expression of interest information published on the Source Evaluation Board's solicitation website. Submission of an Expression of Interest does not commit an interested party to submit a proposal. Expressions of Interest should be received no later than 3:00 p.m. Central Time on May 25, 2007.

Future information regarding this solicitation will be posted on DOE's Industry Interactive Procurement System (IIPS) at URL http://e-center.doe.gov and/or FedBizOpps at URL http://fedbizopps.gov. DOE anticipates issuing a draft RFP in the fourth quarter of FY07. The draft RFP will be open for comments or questions for approximately 30 days. DOE expects to conduct a comment workshop, offer site tours and conduct one-on-one meetings with prospective offerors approximately three weeks after the draft RFP is issued. Following the issuance of the final RFP, DOE may host a pre-proposal conference. Dates and times for anticipated comment workshop, site tours, one-on-one meetings and the pre-proposal conference will be announced at a later date. Information regarding Princeton Plasma Physics Laboratory can be accessed at the Source Evaluation Board website located at URL http://rfppppl.sc.energy.gov.

Points of Contact

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